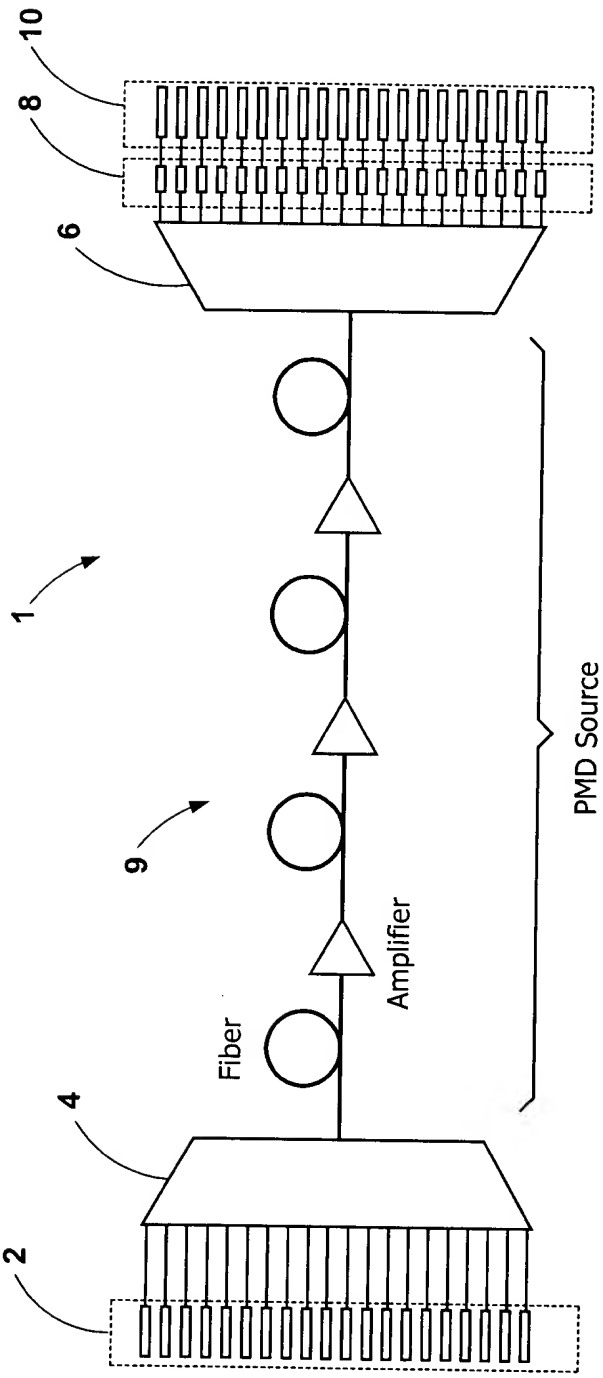

FIG. 1

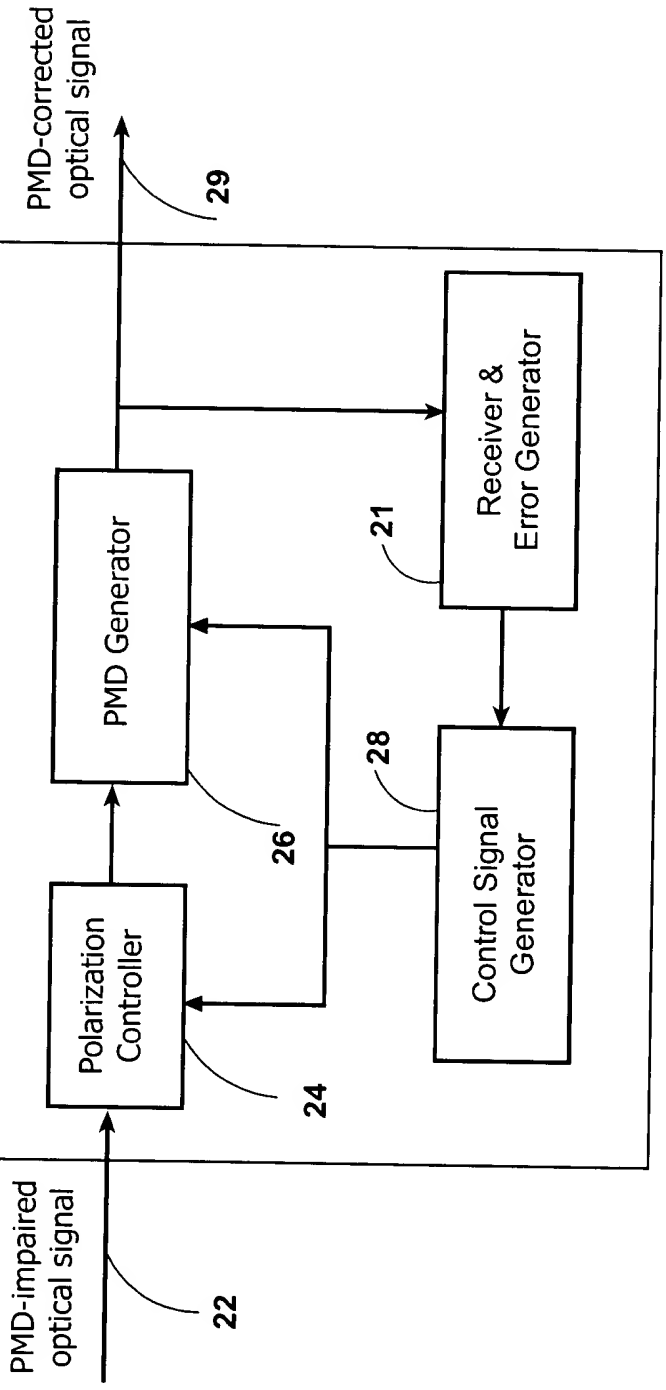
PMD-corrected optical signal
29
20
PMD Generator
Receiver & Error Generator
21
26
28
Polarization Controller
Control Signal Generator
24
PMD-impaired optical signal
22

FIG. 2

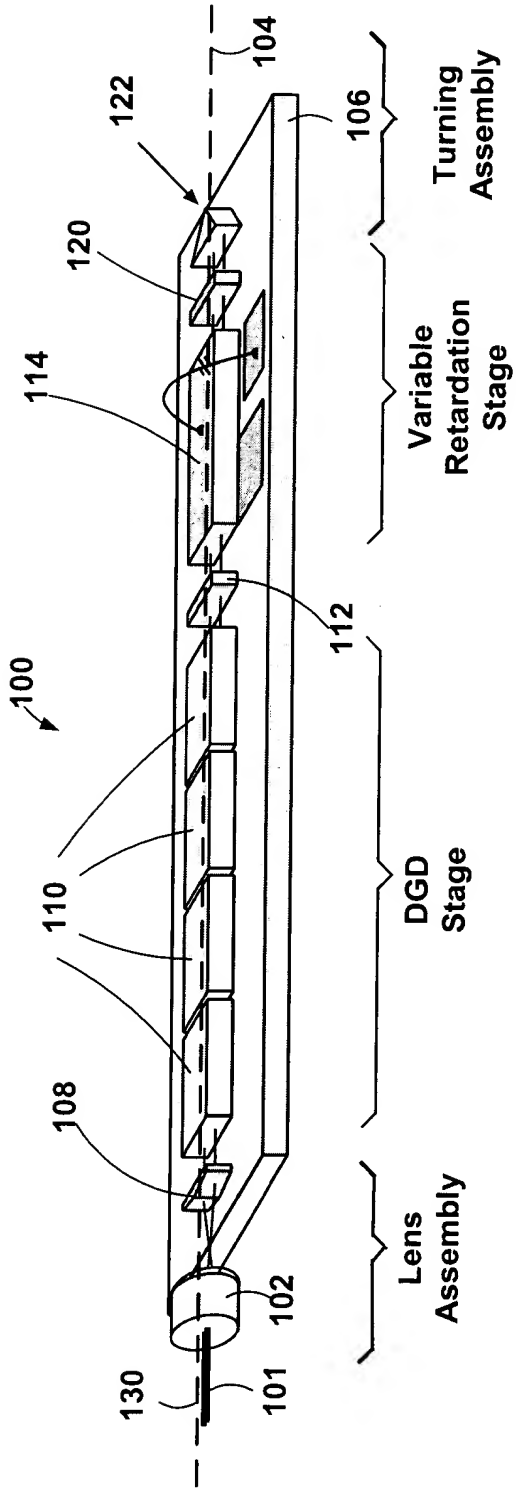
104
122
106
Turning Assembly
120
114
Variable Retardation Stage
112
100
110
DGD Stage
108
Lens Assembly
102
130
101

FIG. 3

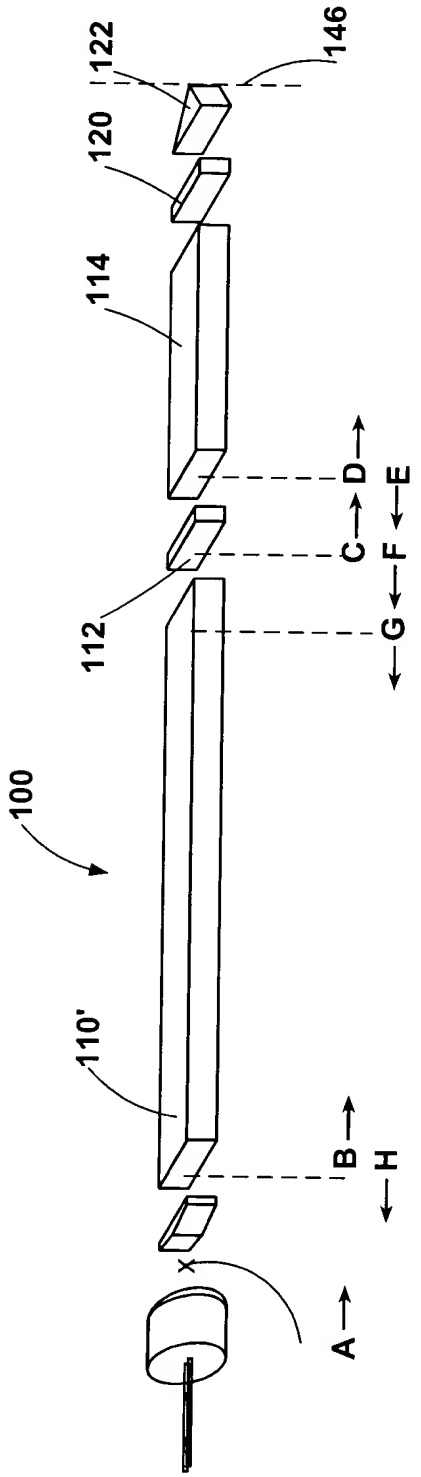

FIG. 4

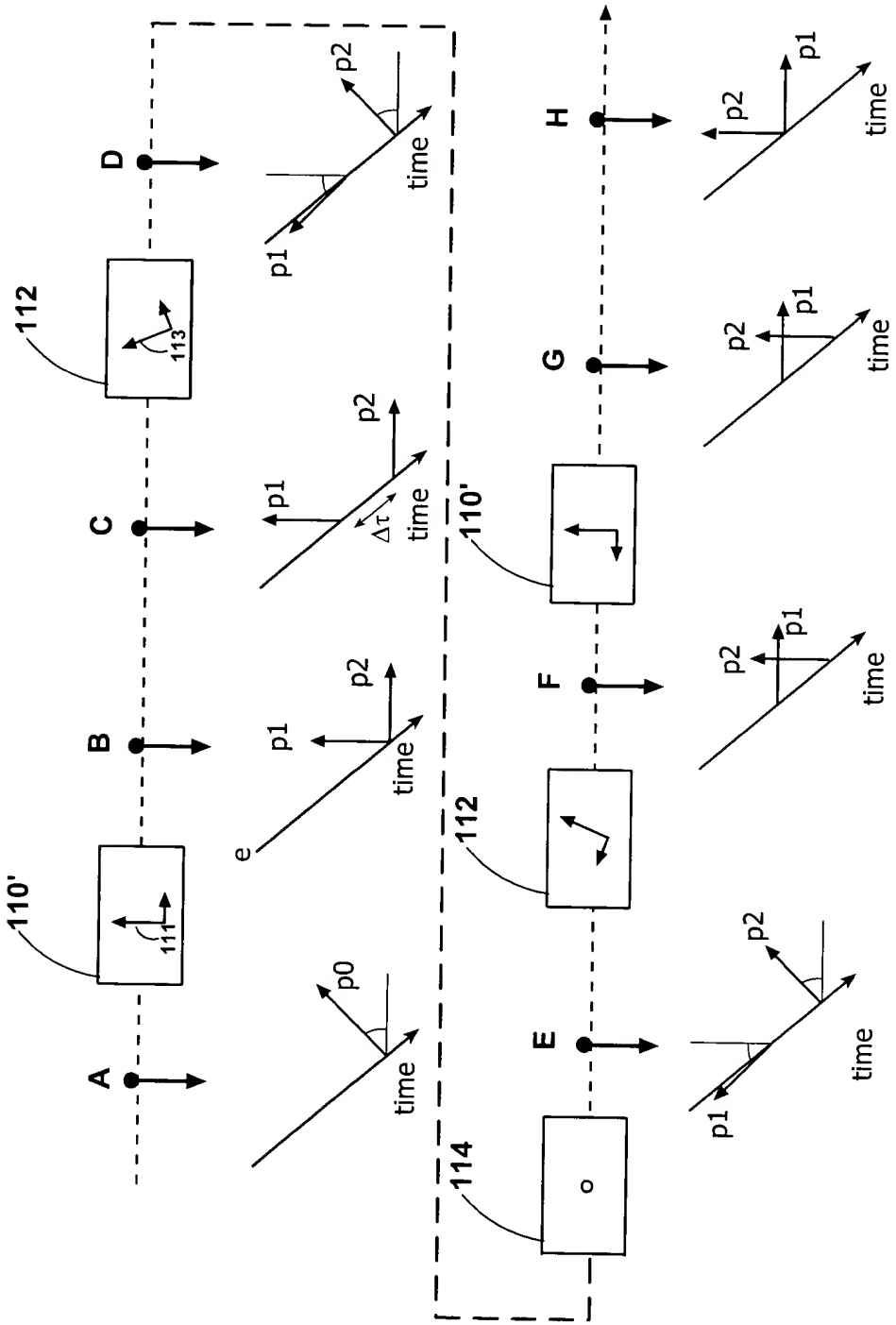

FIG. 6

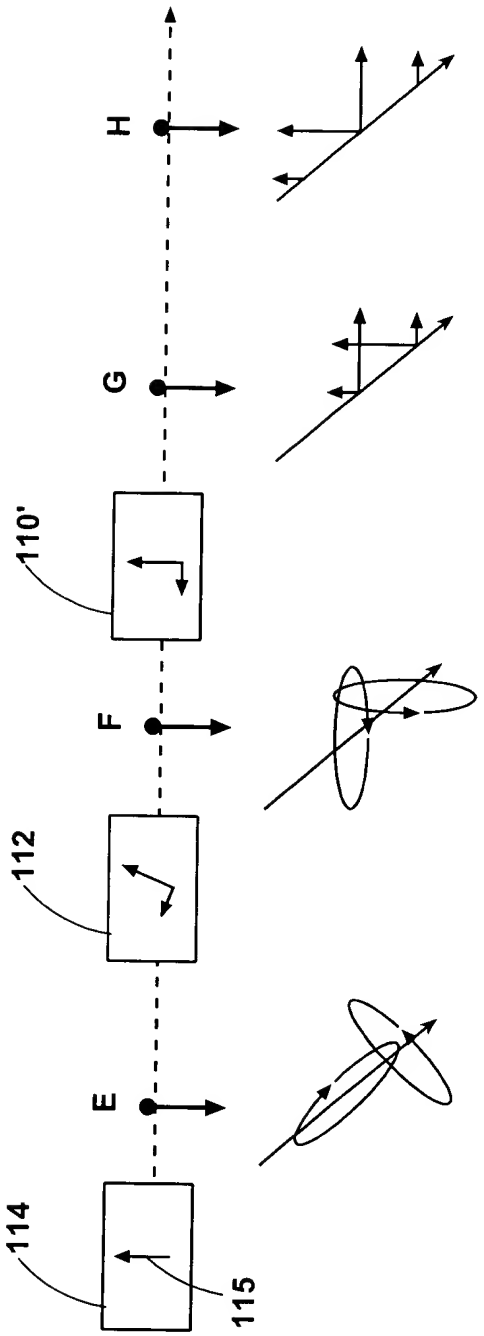

FIG. 7

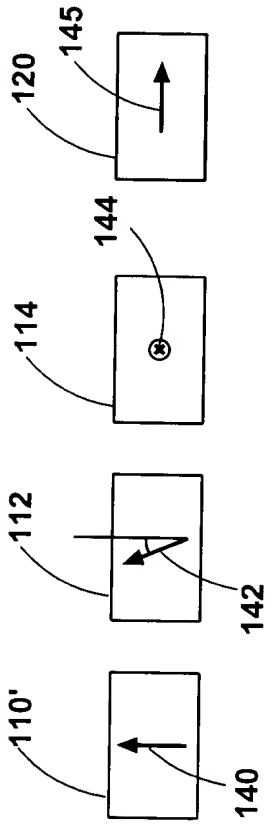

FIG. 5

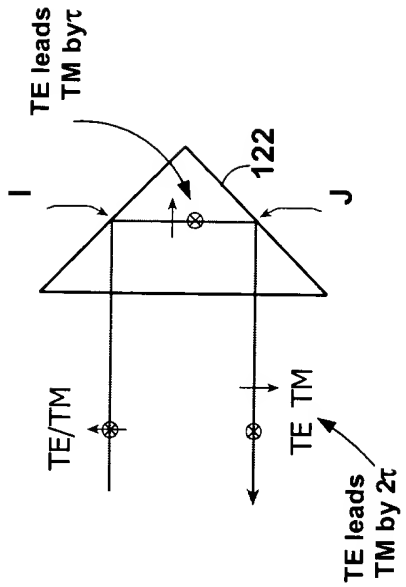
TE leads
TM byτ
I
122
J
TE/TM
TE TM
TE leads
TM by 2τ

FIG. 8

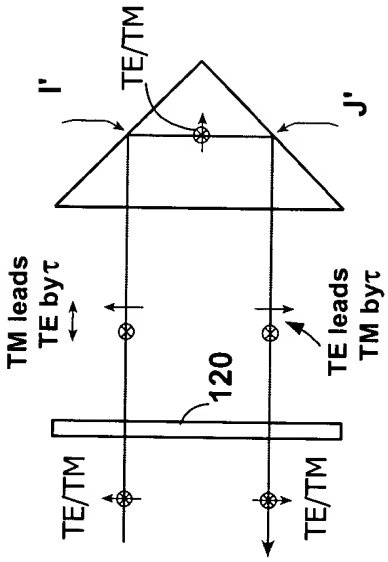
I'
TE/TM
J'
TM leads
TE byτ
TE leads
TM byτ
120
TE/TM
TE/TM

FIG. 9

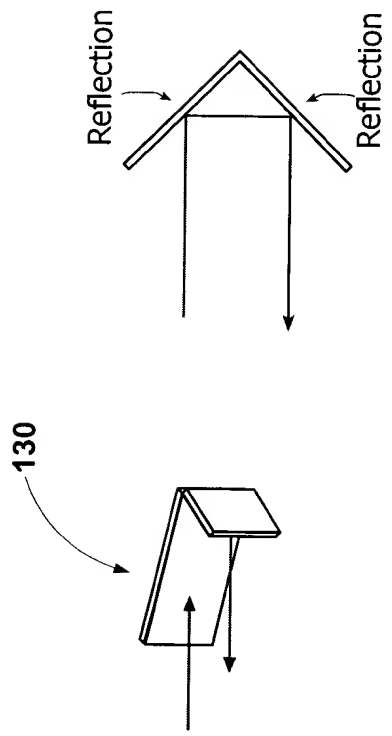

FIG. 10

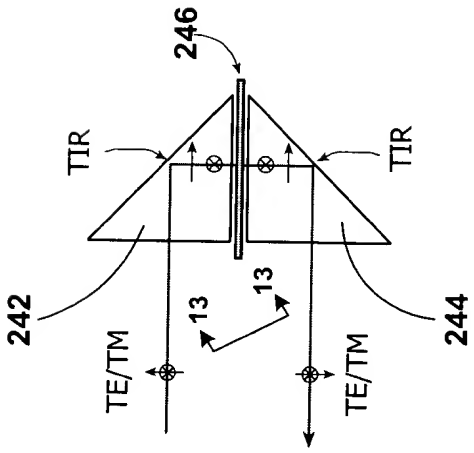

FIG. 12

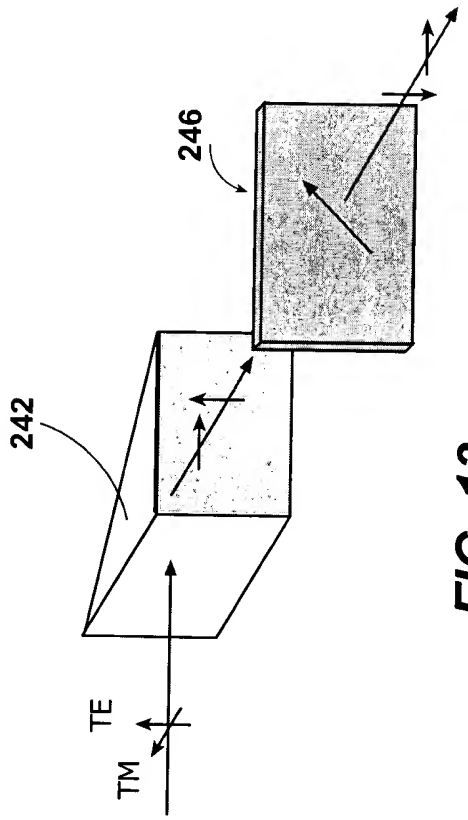

FIG. 13

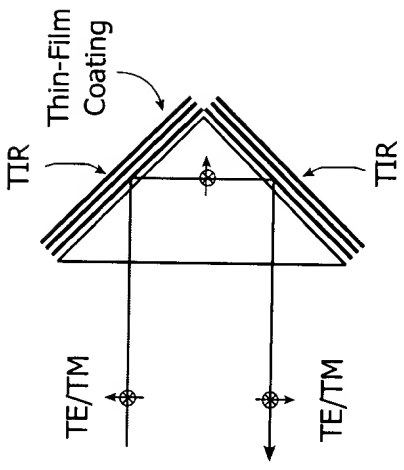

FIG. 11

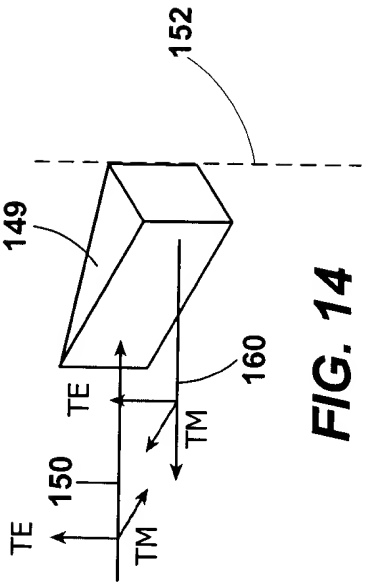

FIG. 14

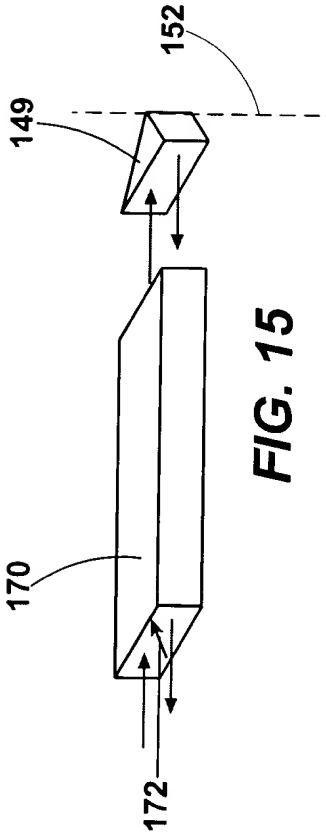

FIG. 15

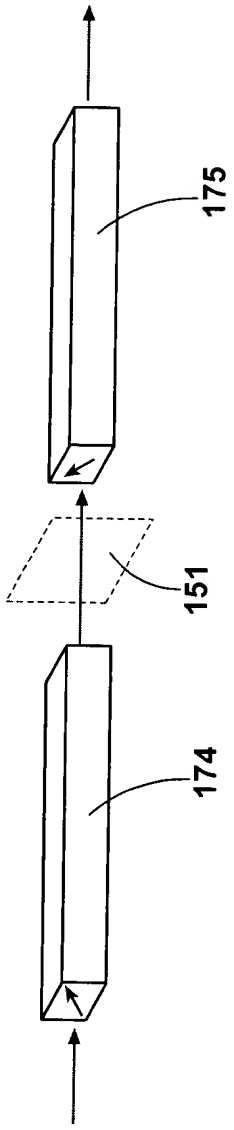

FIG. 16

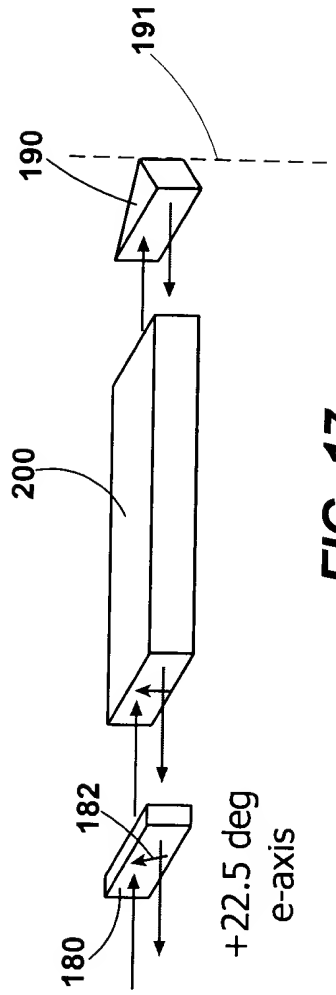
191
190
200
182
180
+22.5 deg
e-axis

FIG. 17

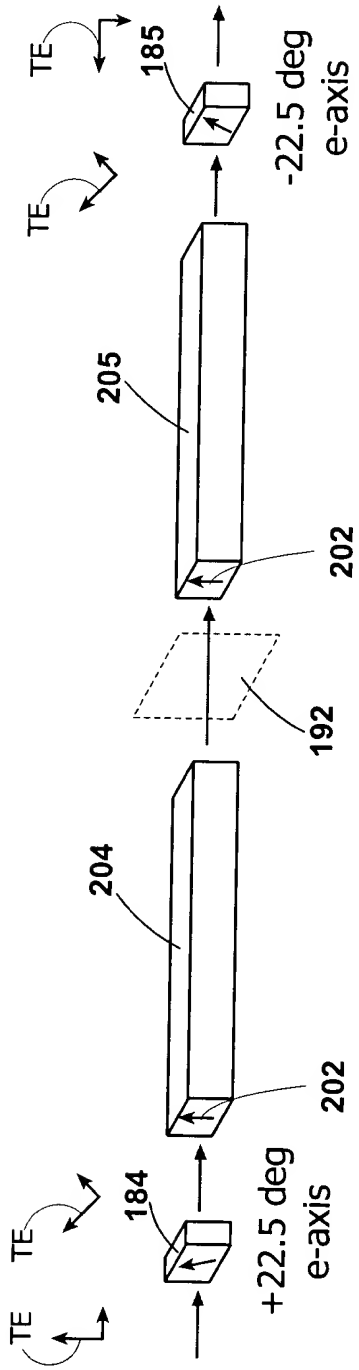
TE
185
-22.5 deg
e-axis
TE
205
202
192
204
202
TE
TE
184
+22.5 deg
e-axis

FIG. 18

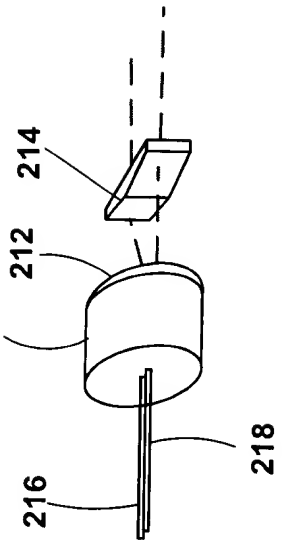

FIG. 19

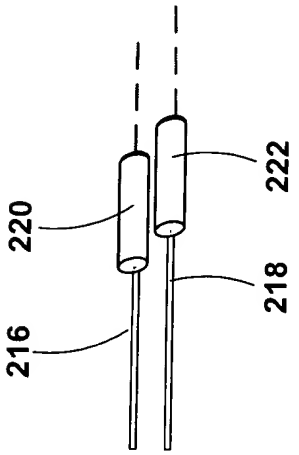

FIG. 20

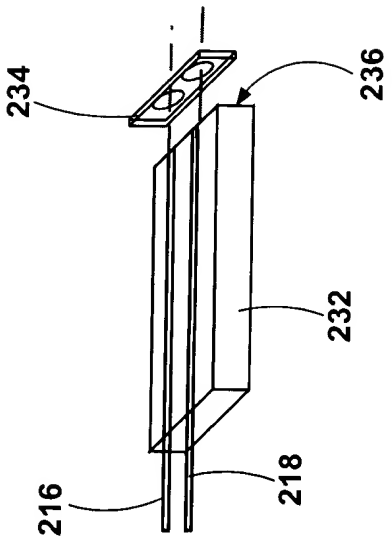

FIG. 21

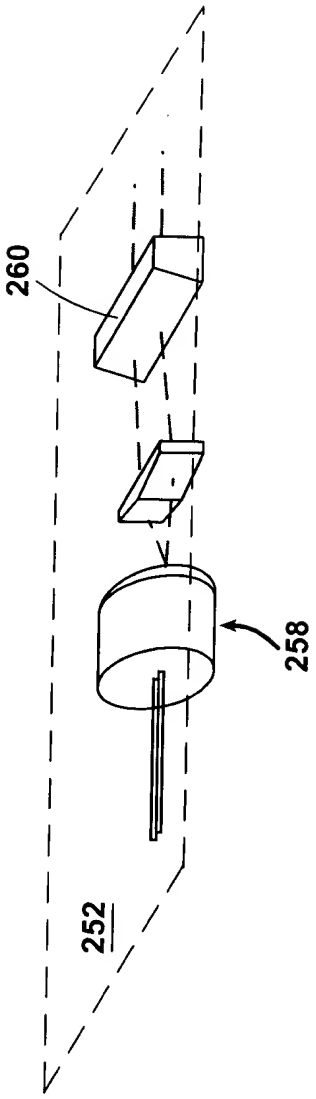

FIG. 22

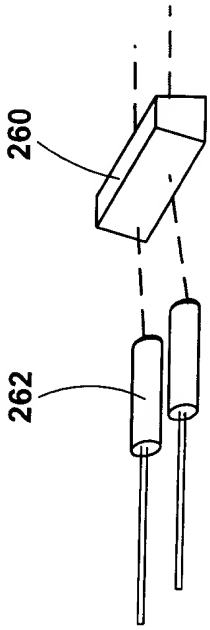

FIG. 23

Faxed 06/17/05

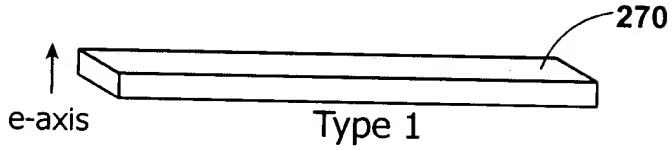

FIG. 24

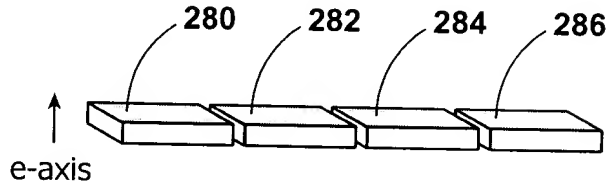

FIG. 25

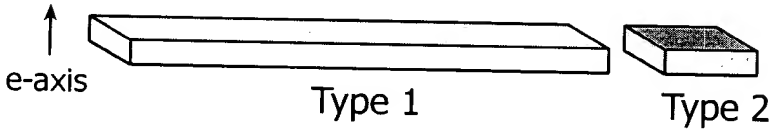

FIG. 26

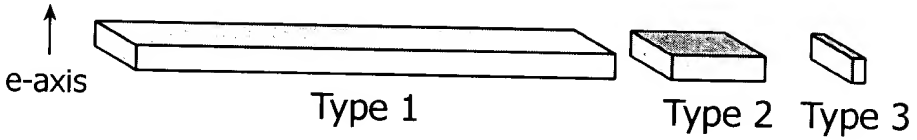

FIG. 27

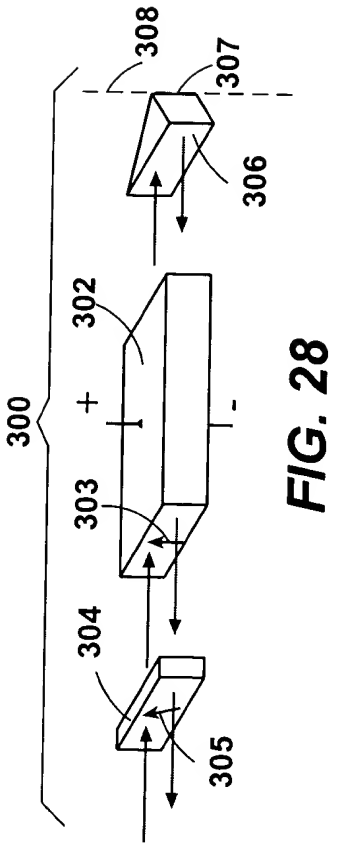

FIG. 28

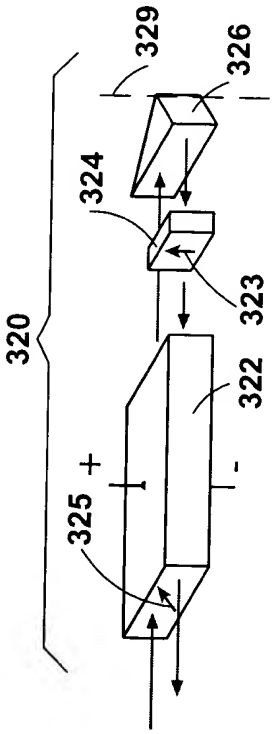

FIG. 29

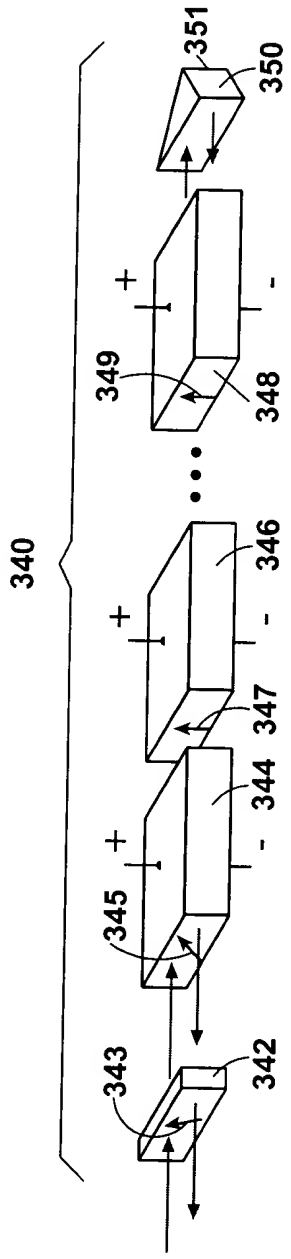

FIG. 30

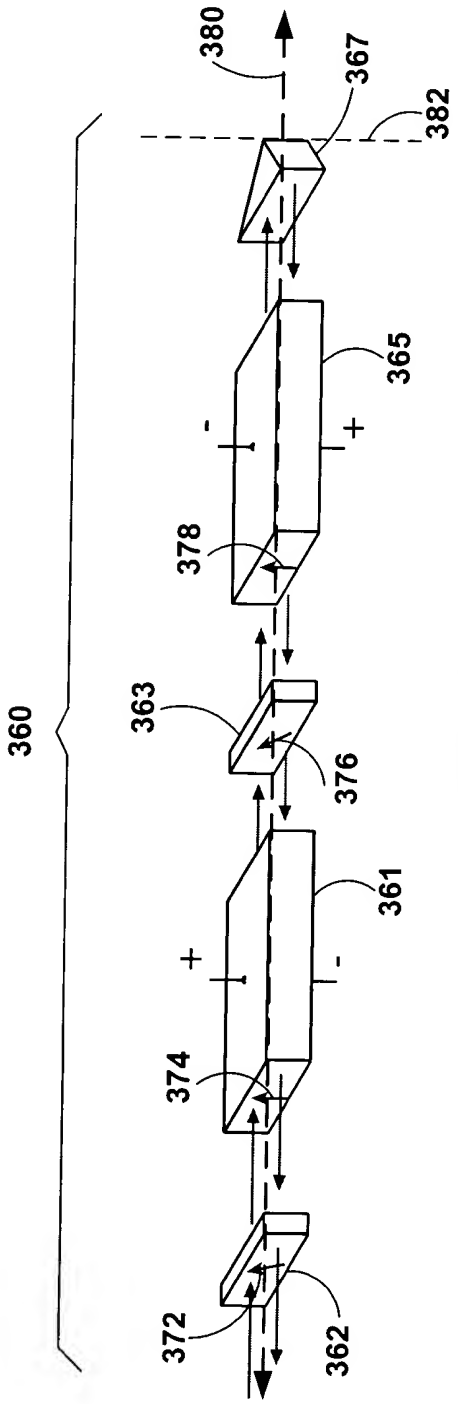

FIG. 31

EXPRESS MAIL NO. EV 339 966 745 US

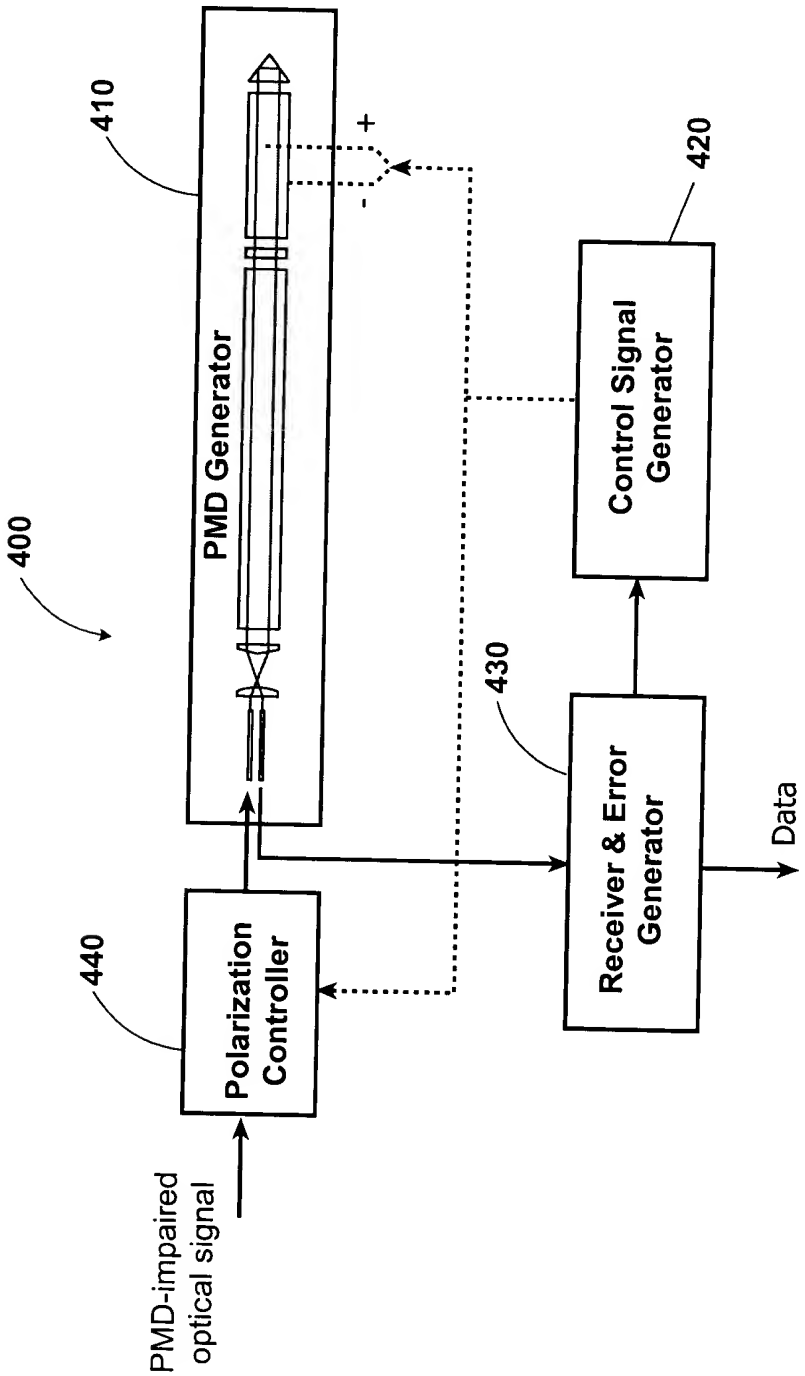
400
410
PMD Generator
+
-
420
Control Signal Generator
430
Receiver & Error Generator
Data
440
Polarization Controller
PMD-impaired optical signal

FIG. 32